

//KVANTOVAYA ELEKTRONIKA// 00/00/1977,V0004,N0001, PP 0160-0161 VARIATION OF THE OPTICAL THICKNESS OF AQUEOUS AEROSOL ON EXPOSURE ON EXPOSURE TO THE PULSED CO ₂ LASER RADIATION AMERICAN INSTITUTE OF PHYSICS	#	
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BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/00/1977, V0004, N0010, PP 2216-2223 ELECTRO-IONIZATION LASER WITH A CO2N2H2 MIXTURE 11 PP JPRS L/7576	000000263851
KAMENSKY, N. N. //KVANTOVAYA ELEKTRONIKA// 00/00/1977, V0004, N0010, PP 2252-2254 A DEVICE FOR FREQUENCY SHIFT IN THE OPTICAL BAND 4 PP OUO JPRS L/7541	000000263851
ARSEN'YEV, V. A. //KVANTOVAYA ELEKTRONIKA// 00/00/1977, V0004, N0011, PP 2309-2329 NANO-AND MICROSECOND PULSE GENERATION IN SOLID STATE LASERS (REVIEW ARTICLE) 28 PP FOUO JPRS L/7631	000000111115
BURTSEV, V. A. //KVANTOVAYA ELEKTRONIKA// 00/00/1977, V0004, N0011, PP 2374-2378 OPTIMIZATION OF THE PARAMETERS OF A CO2 PULSE LASER 6 PP OUO JPRS L/7576	000000108617
GASPARYAN, S. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1977, V0004, N0011, PP 2403-2407 DIVERSITY RECEPTION OF AN OPTICAL SIGNAL IN THE ATMOSPHERE 6 PP OUO JPRS L/7576	000000108616
BLINOV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1977, V0004, N0011, PP 2459-2462 A GASDYNAMIC CO2 LASER WITH TWO-STAGE EXPANSION OF NITROGEN 5 PP OUO JPRS L/7576	000000198147
USTINOV, N. D. //KVANTOVAYA ELEKTRONIKA// 00/00/1977, V0004, N0012, PP 2595-2602 NON LINEAR OPTICS METHODS IN PROBLEMS OF CONVERSION OF SPATIALLY MODULATED SIGNALS 9 PP CSO: 8144/0846-78 B COMPLETED SPECIAL	000000112433
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MODE CSO: 8144/0846 A-7B COMPLETE SPECIAL	#	
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/06/1977, V0004, N0006, PP 1243-1248 ALSO PP 1336-1340, 1361-1364 QUANTUM ELECTRONICS *FTD-ID(RS)T-1908-77	#	000000198148
DERYUGIN, I. A. //KVANTOVAYA ELEKTRONIKA// 00/10/1977, V0004, N0010, PP 2173-2181 ON THE COHERENCE OF AN ELECTROMAGNETIC FIELD IN DIELECTRIC WAVEGUIDES 12 PP GUO JPRS L/7576	#	000000108633
BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/10/1977, V0004, N0010, PP 2216-2224 AN ELECTROIONIZATION LASER ON A CO2-H2-N2 MIXTURE 11 PP GUO JPRS L/7576	#	000000108634
ARSEN'YEV, V. A. //KVANTOVAYA ELEKTRONIKA// 00/11/1977, V0004, N0011, PP 2309-2329 NANO AND MICROSECOND PULSE OSCILLATION IN SOLID STATE LASERS (REVIEW ARTICLE) 28 PP DUO JPRS L/7631	#	000000263852
BURTSEV, V. A. //KVANTOVAYA ELEKTRONIKA// 00/11/1977, V0004, N0011, PP 2374-2378 OPTIMIZATION OF THE PARAMETERS OF A PULSED CO2 LASER 6 PP DUO JPRS L/7576	#	000000263850
GASPARYAN, S. S. //KVANTOVAYA ELEKTRONIKA// 00/11/1977, V0004, N0011, PP 2403-2407 SPACE-DIVERSITY RECEPTION OF AN OPTICAL SIGNAL IN THE ATMOSPHERE 6 PP DUO JPRS L/7576	#	000000263811
NAUMOV, V. G. //KVANTOVAYA ELEKTRONIKA// 00/11/1977, V0004, N0011, PP 2427-2434 INVESTIGATION OF A COMBINED DISCHARGE USED FOR PUMPING FLAT-FLOW LASERS 10 PP DUO JPRS L/7576	#	000000207159
NAUMOV, V. G. //KVANTOVAYA ELEKTRONIKA// 00/11/1977, V0004, N0011, PP 2427-2434 INVESTIGATION OF A COMBINED DISCHARGE USED FOR PUMPING FAST-FLOW LASERS 10 PP DUO		000000263858

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BLINOV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/11/1977, V0004, N0011, PP 2459-2463 A CO ₂ GAS DYNAMIC LASER WITH TWO-STEP NITROGEN EXPANSION 5 PP OUO		000000263859
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AGEYEV, V. P. //KVANTOVAYA ELEKTRONIKA// 00/12/1977, V----, N0012, PP 2501-2513 LASER AIR-BREATHING JET ENGINE 18 PP FOUO		000000140139
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BORSHCH, V. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V----, N0014, PP 0065-0069 PHOTCONDUCTIVITY AND THE EFFECT OF SENSITIZATION OF ZINC SELENIDE CRYSTALS AT HIGH LEVELS OF EXCITATION 8 PP OUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO FTD-ID(RS)T-0548-81		000000281416
LIVSHITS, M. G. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V----, N0014, PP 0089-0092 DIRECT RECEPTION OF OPTICAL RADIATION IN HIGH SPEED DIGITAL COMMUNICATIONS SYSTEMS *FSTC SERIAL NO 1037-80	#	000000250351
LIVSHITS, M. G. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V----, N0014, PP 0089-0092 DIRECT RECEPTION OF OPTICAL RADIATION IN HIGH-SPEED DIGITAL COMMUNICATIONS SYSTEMS 7 PP OUO COPYRIGHT INFO REFER OTHERS TO FSTC ARM/FSTC/HT-1037-81	#	000000289655
ANIKEYEV, B. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V----, N0015, PP 0077-0080 INVESTIGATION OF A DOUBLE POCKETS LOCK IN A LASER WITH ACTIVE SPECTRUM PHASING 8 PP OUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO FTD-ID(RS)T-0510-81	#	000000281417
ZEL'DOVICH, //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0002, PP 0036-0043 ON THE BOUNDARIES OF THE EXISTANCE OF THE EFFECT OF WAVE FRONT REVERSAL UNDER THE STIMULATED LIGHT SCATTERING. CSO: 8144/1229-78 COMPLETED SPECIAL	#	000000130112
RYKALIN, N. N. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0002, PP 0089-0098 EFFECT OF LASER RADIATION ON MATERIALS IN A WIDE RANGE OF ARGON PRESSURES 12 PP CSO: 8144/1224-78 COMPLETED SPECIAL	#	000000117584

TAKLAYA, A. A. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0002, PP 0152-0158 A WANDERING LASER BEAM IN A TURBULENT ATMOSPHERE PARTS 1 AND 2, 11 PP CSO: 8144/1225-78 COMPLETED SPECIAL #	000000117583
AVDEYEV, P. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0002, PP 0220-0223 EXPERIMENTAL DETERMINATION OF MAXIMUM PERMISSIBLE LEVELS OF EXPOSURE TO 1.54 MICRON LASER RADIATION CSO: 8144/1230-78 COMPLETED SPECIAL #	000000130113
BESSARAB, A. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0002, PP 0325-0330 CHANGES IN METAL MIRROR REFLECTIVITY ON EXPOSURE TO LASER RADIATION 9 PP CSO: 8144/1231-78 COMPLETED SPECIAL #	000000140453
BASHKIN, A. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0002, PP 0421-0423 ON A FEASIBILITY OF A VISIBLE REGION LASER UTILITING THE SZ MOLECULE WITH CHEMICAL PUMPING. CSO: 8144/1223-78 COMPLETED SPECIAL #	000000130111
KRUZHILIN, YU. I. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0003, PP 0625-0631 SELF ADJUSTING LASER TARGET SYSTEM FOR LASER FUSION 9 PP CSO: 8144/1349-78 COMPLETED SPECIAL #	000000125687
BEREZIN, YU. D. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0004, PP 0774-0779 EXPERIMENTAL DETERMINATION OF MAXIMUM PERMISSIBLE LEVELS OF LASER RADIATION OF PICOSECOND DURATION AT A WAVELENGTH OF 1.06 MICRONS 7 PP FOUO JPRS L/7915 #	000000137947
VIRNIK, YA. Z. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0004, PP 0883-0891 THE CALCULATION OF MULTIPASS TELESCOPIC AMPLIFIERS FOR A CONTINUOUS WAVE HF CHEMICAL LASER 11 PP FOUO JPRS L/7915 #	000000137948
SVIRKUNOV, P. N. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0004, PP 0892-0896 ON POSSIBLE SELF-FOCUSING DURING CLOUD MEDIUM EVAPORATION BY CO2 LASER RADIATION 7 PP FOUO JPRS L/7915 #	000000137949
BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0004, PP 0910-0913	000000137950

STUDY OF A SYSTEM INCORPORATING AN HF MASTER
OSCILLATOR AND AN AMPLIFIER UTILIZING THE
H2F2 CHAIN REACTION 5 PP
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000000137951

ARTAMONOV, A. V.
//KVANTOVAYA ELEKTRONIKA//
00/00/1978, V0005, N0004, PP 0920-0922
A STATIONARY TECHNOLOGICAL CLOSED CYCLE CO2 LASER
WITH 6 KW RADIATION POWER 5 PP
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000000137951

AVAKYANTS, L. I.
//KVANTOVAYA ELEKTRONIKA//
00/00/1978, V0005, N0005, PP 0725-0752
CHARACTERISTICS OF LASER GLASSES 29 PP
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000000137946

VOYTOVICH, A. P.
//KVANTOVAYA ELEKTRONIKA//
00/00/1978, V0005, N0005, PP 0965-0972
PARAMETERS OF RING LASERS CONTAINING OPTICAL
ELEMENTS WITH MAGNETIC CIRCULAR DICHROISM 10 PP
OUO
JPRS L/7923 #

000000197874

DARVOYD, T. I.
//KVANTOVAYA ELEKTRONIKA//
00/00/1978, V0005, N0005, PP 1043-1047
A STUDY OF RESISTANCE OF KRS-6 AND KRS-5 CRYSTALS
TO THE ACTION OF PULSED CO2 LASER EMISSION 6 PP
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JPRS L/7921 #

000000197937

BRODOV, M. YE.
//KVANTOVAYA ELEKTRONIKA//
00/00/1978, V0005, N0005, PP 1072-1076
AN INVESTIGATION OF INVERSION IN AN AMPLIFIER
MODULE UTILIZING AN ACTIVE ELEMENT WITH
RECTANGULAR CROSS SECTION 7 PP
OUO
JPRS L/7921 #

000000197926

LUKIN, V. P.
//KVANTOVAYA ELEKTRONIKA//
00/00/1978, V0005, N0005, PP 1124-1129
PROPAGATION OF MODULATED WAVES IN A TURBULENT
ATMOSPHERE. 2. CORRELATION FUNCTIONS AND
FREQUENCY SPECTRUM OF PHASE FLUCTUATIONS OF
MODULATING VIBRATIONS 7 PP
OUO
JPRS L/7921 #

000000197927

AFONIN, YU. V.
//KVANTOVAYA ELEKTRONIKA//
00/00/1978, V0005, N0005, PP 1155-1157
THE EFFECT OF A MAGNETIC FIELD ON A SPACE
DISCHARGE EXCITED BY AN ELECTRON BEAM 5 PP
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JPRS L/7921 #

000000197928

USTINOV, N. D. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0006, PP 1257-2162 ANALYSIS OF THE QUALITY OF LASER IMAGES IF DIFFUSE OBJECTS 8 PP FOUO JPRS L/8024	#	000000174267
BRYUKOV, A. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0006, PP 1291-1297 POPULATION INVERSION AT VIBRATIONAL LEVELS OF N2O BEHIND A SHOCK WAVE FRONT 9 PP FOUO JPRS L/8035	#	000000195186
AGROVSKIY, B. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0006, PP 1341-1349 NUMERICAL AND EXPERIMENTAL SIMULATION OF THE THERMAL SELF-ACTION OF LASER BEAMS ON A PATH WITH VARIABLE VELOCITY OF THE MEDIUM 10 PP FOUO JPRS L/8035	#	000000195187
GREBENYUK, V. N. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0006, PP 1365-1368 A RAMAN INFRARED LASER WITH UNSTABLE CAVITY 6 PP FOUO JPRS L/8035	#	000000195188
VARGIN, A. N. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0006, PP 1391-1394 THE MODEL OF KINETIC COOLING OF CARBON DIOXIDE GAS 6 PP FOUO JPRS L/8040	#	000000195264
ANAN'YEV, YU. A. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1381-1384 PHOTOIONIZATION CO2 LASER WITH ENERGY OF 300 JOULES 5 PP FOUO JPRS L/8040	#	000000195263
BIRYUKOV, A. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1444-1455 KINETICS OF PHYSICAL PROCESSES IN A CO-CHEMICAL SUPPERSONICALLY PUMPED LASER 18 PP FOUO JPRS L/8024	#	000000174265
DATSKETCH, I. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1456-1464 STUDY OF A PHOTOCHEMICAL LASER UTILIZING THE XEO MOLECULE 12 PP FOUO JPRS L/8035	#	000000195189

BANAKH, V. A. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1535-1541 INFLUENCE OF THE GRATING SIZE OF THE APERTURE AND THE TURBULENCE SPECTRUM ON FLUCTUATIONS OF LASER RADIATION INTENSITY 9 PP FOUO JPRS L/8035	#	000000195178
UGLOV, A. A. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1553-1558 CUTTING OF NONMETALLIC MATERIALS BY A CO ₂ -LASER BEAM 8 PP FOUO JPRS L/8035	#	000000195179
ARZUOV, M. I. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1567-1575 ABSORPTIVITY OF METALLIC TARGETS IRRADIATED BY A PULSE-PERIODIC CO ₂ LASER IN AIR 12 PP FOUO JPRS L/8035	#	000000195180
GORDON, YE. B. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1578-1580 CHEMICALLY PUMPED BR ₂ -CO ₂ LASER 5 PP FOUO JPRS L/8024	#	000000174266
GUBAREV, A. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1595-1598 THE POSSIBILITY OF ACHIEVING SELF-PUMPING OF A GAS MIXTURE IN A REPETITIVE PULSED LASER 6 PP FOUO JPRS L/8040	#	000000195261
BASHKIN, A. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0007, PP 1608-1610 AN EFFICIENT E-BEAM PUMPED HF CHEMICAL LASER WITH HIGH SPECIFIC ENERGY DENSITY 5 PP FOUO JPRS L/8040	#	000000195262
BUKHANSKIY, M. F. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0009, PP 2068-2072 TENTH ALL-UNION SCHOOL ON COHERENT OPTICS AND HOLOGRAPHY (MINST 18-25 FEBRUARY 1978) 9 PP FOUO JPRS L/8131	#	000000171949
ACHASOV, R. I. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0011, PP 2337-2341 NUMERICAL ANALYSIS OF CHARACTERISTICS OF A GAS DYNAMICAL LASER WITH SELECTIVE THERMAL EXCITATION AND MIXING IN THE SUPERSONIC FLOW 7 PP FOUO JPRS L/8281	#	000000156746

PATRUSHEV, G. YA. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0011, PP 2342-2347 INFLUENCE OF TURBULENT ATMOSPHERE ON WAVE BEAM FIELD FLUCTUATIONS 9 PP DUO JPRS L/8294	#	000000156798
ALEKSEYEV, N. YE. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0011, PP 2354-2357 INVESTIGATION OF THE GENERATION PROPERTIES OF PHOSPHATE GLASSES IN THE PULSE REPETITION PUMPING MODE 6 PP DUO JPRS L/8281	#	000000156747
ALEKSEYEV, V. N. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0011, PP 2369-2375 OUTPUT DISK AMPLIFIER STAGES 10 PP DUO JPRS L/8294	#	000000156799
AGROSKIN, V. YA. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0011, PP 2436-2444 A COMPARATIVE INVESTIGATION OF PULSED HF AND DF-CO2 CHEMICAL LASERS 11 PP DUO JPRS L/8281	#	000000156748
MIKAELEYAN, A. L. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0012, PP 2550-2557 HIGH-SPEED WIDE-BAND ELECTROOPTICAL LITHIUM NIOBATE ELEMENTS FOR LASER BEAM CONTROL SYSTEMS 11 PP DUO JPRS L/8366	#	000000157136
BASHKIN, A. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0012, PP 2567-2576 USE OF EXCITED ATOMS IN THERMALLY INITIATED VISIBLE CHEMICAL LASERS 13 PP DUO JPRS L/8366	#	000000157137
BASHKIN, A. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0012, PP 2611-2619 CHAIN-REACTION VISIBLE CHEMICAL LASERS 12 PP DUO JPRS L/8366	#	000000157138
KOLCHIN, YU A. //KVANTOVAYA ELEKTRONIKA// 00/00/1978,V0005,N0012, PP 2642-2645 STUDY OF A PULSED H2-F2 CHEMICAL LASER AT HIGH PRESSURE OF THE WORKING MEDIUM 6 PP DUO JPRS L/8366	#	000000157126

KOZLIV, YU. I. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0005, N0012, PP 2645-2648 EFFECT OF PHOTINITIATING MATERIALS ON THE GENERATION OF A PULSE TO HF CHEMICAL LASER 6 PP FOUO JPRS L/8366	#	000000157127
BRODIN, M. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1978, V0015, N----, PP 0003-0028 THE INTERACTION OF ORDINARY AND LASER RADIATION WITH MIXED SINGLE CRYSTALS ZNXC01-XS 72 PP FOUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-IDIRS1T-1535-80	#	000000296658
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/02/1978, V0005, N0002, PP 0245-0255 OUTSTANDING SOVIET SCIENTIST DIES 10 PP FOUO JPRS L/7795	#	000000150535
YAKOVLENKO, S. I. //KVANTOVAYA ELEKTRONIKA// 00/02/1978, V0005, N0002, PP 0259-0289 LASER INDUCED RADIATION COLLISIONS (SURVEY ARTICLE) 45 PP FOUO JPRS L/7795	#	000000150533
GAMAL, K. //KVANTOVAYA ELEKTRONIKA// 06/02/1978, V0005, N0011, PP 2428-2434 STATE OF THE ART OF AND PROSPECTS FOR RESEARCH ON ARTIFICIAL EARTH SATELLITE LASER DETECTION AND RANGING EQUIPMENT 11 PP FOUO JPRS L/8385	#	000000156731
ZELDOVICH, B. YA. //KVANTOVAYA ELEKTRONIKA// 00/08/1978, V0005, N0008, PP 1800-1803 WAVE FRONT REVERSAL BY THE METHODS OF NONLINEAR OPTICS 6 PP FOUO JPRS L/8094	#	000000161986
BREKHOVSKIKH, G. L. //KVANTOVAYA ELEKTRONIKA// 00/08/1978, V0005, N0008, PP 1812-1815 REPRODUCTION OF A LIGHT BEAM WAVE FRONT DURING STIMULATED RAMAN SCATTERING 5 PP FOUO JPRS L/8094	#	000000161989
KOCHEMASOV, G. G. //KVANTOVAYA ELEKTRONIKA// 00/08/1978, V0005, N0008, PP 1837-1838 ON WAVEFRONT REVERSAL IN THE PROCESS OF STIMULATED SCATTERING AT DOUBLE FREQUENCY BOMBING 3 PP JPRS L/8094	#	000000199440
BEL'DYUGIN, I. M.		000000184319

//KVANTOVAYA ELEKTRONIKA// 00/08/1978,V0005,N0009, PP 2055-2058 THE EFFECT OF PUMP FIELD VARIATIONS ON THE FORM OF THE FIELD OF THE AMPLIFIED SIGNAL IN STIMULATED SCATTERING 5 PP FOUO JPRS L/8129	#	000000171948
KATRICH, A. B. //KVANTOVAYA ELEKTRONIKA// 00/09/1978,V----,N0009, PP 1949-1954 RADIATION DETECTORS BASED ON THE NERNST-ETTINGSHAUSEN EFFECT 7 PP FOUO JPRS L/8131	#	000000184320
VASKOVSKIY, YU. M. //KVANTOVAYA ELEKTRONIKA// 00/09/1978,V----,N0009, PP 1969-1974 OPTICAL BREAKDOWN AT THE PLASMA LAYER BOUNDARY IN ARGON AT A WAVELENGTH OF 10.6 MICRONS 7 PP FOUO JPRS L/8129	#	000000177258
GLOTOV, YE. P. //KVANTOVAYA ELEKTRONIKA// 00/09/1978,V0005,N0009, PP 1924-1932 INFLUENCE THAT GASDYNAMIC MOTION OF THE ACTIVE MEDIUM DURING THE PUMPING PULSE HAS ON THE ANGULAR DIVERGENCE OF EMISSION FROM ELECTRON-BEAM-CONTROLLED LASERS 10 PP FOUO JPRS L/8136	#	000000171947
GOLGER, A. L. //KVANTOVAYA ELEKTRONIKA// 00/09/1978,V0005,N0009, PP 1982-1988 ON THE DIRECT CONVERSION OF SOLAR ENERGY INTO LASER RADIATION 10 PP FOUO JPRS L/8131	#	000000149411
BYKOVSKIY, YU. A. //KVANTOVAYA ELEKTRONIKA// 00/11/1978,V0005,N0011, PP 2309-2331 SURFACE WAVES IN DISTRIBUTED-COUPLING INTEGRATED OPTICS COMPONENTS (REVIEW ARTICLE) 31 PP FOUO JPRS L/8227	#	000000149412
GAYSLER, V. A. //KVANTOVAYA ELEKTRONIKA// 00/11/1978,V0005,N0011, PP 2495-2497 FEASIBILITY OF DEVELOPING OPTICAL MEMORY ELEMENTS BASED ON GAAS MDP STRUCTURES 5 PP FOUO JPRS L/8227	#	000000149415
YELISEYEV, P. G. //KVANTOVAYA ELEKTRONIKA// 00/11/1978,V0005,N0011, PP 2503-2506 SECOND INTERNATIONAL SCHOOL OF SEMICONDUCTOR ELECTROOPTICS 'CETNIEWO-1978' 6 PP FOUO		

JPRS L/8227	#	
KLEPACH, G. M. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V----,N0006, PP 0071-0075 EXPERIMENTAL AND THEORETICAL STUDIES OF A CLOSED CIRCUIT GASDYNAMIC CO2 LASER 6 PP OUO JPRS L/8704	#	000000185040
USTINOV, N. D. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V----,N0007, PP 1389-1400 Q QUANTUM MODEL OF RADIO WAVE SCATTERING IN MATTER WITH HYPEREXCITED ATOMS 15 PP OUO JPRS L/8704	#	000000185024
PRZHONSKAYA, O. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V----,N0016, PP 0003-0026 ORGANIC COMPOUNDS AS ACTIVE LASER MEDIA 67 PP OUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-ID(RS)T-0905-80	#	000000265598
BRODIN, M. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V----,N0017, PP 0045-0057 GENERATION OF PLATELET LASERS USING THE SINGLE CRYSTALS ZNX CO1-X S,CDS1-X AND CDS UNDER SINGLE PHOTON OPTICAL EXCITATION 18 PP OUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-ID(RS)T-1543-80	#	000000252950
ARZUIV, M. I. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V0006,N0003, PP 0466-0472 THE INFLUENCE OF INTERFERENCE EFFECTS IN OXIDE FILMS ON THE DYNAMICS OF METAL HEATING USING LASER RADIATION 11 PP OUO JPRS L/8527	#	000000168512
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V0006,N0003, PP 0466-0472 ALSO PP 513-517, 548-552, 592-593, 597-598, 629-63 635-641, 646-648 QUANTUM ELECTRONICS 51 PP OUO JPRS L/8527	#	000000168504
MAKSIMOV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V0006,N0003, PP 0513-0517 AN EXPERIMENTAL INVESTIGATION OF A METHOD OF CONTROLLING THE RADIATION PULSE WAVEFORM OF A CO2 AMPLIFIER 7 PP OUO JPRS L/8527	#	000000168513
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ALTERNATING CURRENT CAPACITIVE DISCHARGE 7 PP
OUO
JPRS L/8527 #

000000168505

ZEL'DOVICH, B. YA.
//KVANTOVAYA ELEKTRONIKA//
00/00/1979, V0006, N0003, PP 0629-0631
SPATIAL POLARIZATION INVERSION OF A WAVE FRONT
FOR THE CASE OF FOUR PHOTON INTERACTION 5 PP
OUO
JPRS L/8527 #

YEMEL'YANOV, V. I.
//KVANTOVAYA ELEKTRONIKA//
00/00/1979, V0006, N0003, PP 0635-0638
THE INFLUENCE OF PUMP DEPLETION ON THE
SUPERRADIATION PROCESS WITH RAMAN LIGHT
SCATTERING 5 PP
OUO
JPRS L/8527 #

000000168506

BEL'DYUGIN, I. M.
//KVANTOVAYA ELEKTRONIKA//
00/00/1979, V0006, N0003, PP 0638-0641
ON THE POSSIBILITY OF FIELD WAVE FRONT INVERSION
BY MEANS OF NONLINEAR OPTICS 5 PP
OUO
JPRS L/8527 #

000000168507

USTINOV, N. D.
//KVANTOVAYA ELEKTRONIKA//
00/00/1979, V0006, N0007, PP 1389-1400
QUANTUM MODEL OF RADIOWAVE SCATTERING IN A
SUBSTANCE WITH HYPEREXCITED ATOMS
JPRS L/8704-B #

000000185586

VORONSTOV, M. A.
//KVANTOVAYA ELEKTRONIKA//
00/00/1979, V0006, N0010, PP 2078-2083
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COMPENSATING THE THERMAL BLOOMING OF LIGHT BEAMS
8 PP
OUO
JPRS L/8879 #

000000200650

BAKUT, P. A.
//KVANTOVAYA ELEKTRONIKA//
00/00/1979, V0006, N0010, PP 2097-2102
IMAGE OF A DIFFUSE OBJECT IN A RANDOMLY
INHOMOGENEOUS MEDIUM WITH AMPLITUDE DISTORTIONS
OUO
JPRS L/8879 #

000000200660

ALEYNIKOV, V. K.
//KVANTOVAYA ELEKTRONIKA//
00/00/1979, V0006, N0010, PP 2160-2165
EQUILIBRIUM CHEMICAL COMPOSITION OF GASES IN A
SEALED HIGH-PRESSURE CO₂ PULSED LASER 10 PP
OUO
JPRS L/8879 #

000000200715

IGOSHIN, V. I.
//KVANTOVAYA ELEKTRONIKA//

000000210669

00/00/1979,V0006,N0012, PP 2517-2524 PHOTON BRANCHING IN CHAIN REACTIONS AND CHEMICAL LASERS INITIATED BY INFRARED RADIATION 11 PP OUO JPRS L/8956 #	000000210670
APOLLONOV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V0006,N0012, PP 2533-2545 PROSPECTS FOR EMPLOYING POROUS STRUCTURES FOR COOLING POWER OPTICS COMPONENTS 20 PP OUO JPRS L/8959 #	000000210671
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PRZHONSKAYA, O. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1979,V0016,N----, PP 0003-0026 ORGANIC COMPOUNDS AS ACTIVE MEDIA FOR LASERS *FTD-IDRSIT-0905-80 #	000000271988
ARTAMONOV, I. I. //KVANTOVAYA ELEKTRONIKA// 00/01/1979,V0006,N----, PP 0140-0145 HEAT LENSES IN THE ACTIVE ELEMENTS OF PULSE-PERIODIC GLASS LASERS 8 PP OUO JPRS L/8381 #	000000159766
PRZHONSKAYA, O. V. //KVANTOVAYA ELEKTRONIKA// 00/01/1979,V0006,N0001, PP 0031-0037 STIMULATED EMISSION AND PHOTOISOMER TRANSFORMATIONS IN POLYMETHINE DYES JPRS 74007 #	000000176718
BEL'KYUGIN, I. M. //KVANTOVAYA ELEKTRONIKA// 00/01/1979,V0006,N0001, PP 0038-0044 ON THE PROPERTIES OF CAVITIES WITH WAVEFRONT-REVERSING MIRRORS 8 PP OUO JPRS L/8381 #	000000159771
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AIR-CO₂ MIXTURE 10 PP
OUO
JPRS L/8381

000000159774

PAKHALOV, V. B.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979, V0006, N0001, PP 0057-0062
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INTERFEROMETER AND MEASUREMENT OF THE RADIUS OF
CURVATURE OF THE PHASE FRONT OF LASER BEAMS 8 PP
OUO
JPRS L/8381

GUBIN, M. A.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979, V0006, N0001, PP 0063-0071
INVESTIGATION OF STABILITY AND FREQUENCY SHIFTS
OF THE HE-NE/CH₄ LASER IN TWO-MODE OPERATION
JPRS 74007

000000176721

AGEYEV, V. P.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979, V0006, N0001, PP 0078-0085
HEATING OF METALS BY PULSED CO₂ LASER EMISSION
10 PP
OUO
JPRS L/8381

000000159775

BAYEV, V. M.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979, V0006, N0001, PP 0092-0097
USING LASERS BASED ON COLOR CENTERS IN ALKALI
HALIDE CRYSTALS FOR INTRACAVITY LASER
SPECTROSCOPY
JPRS 74007

000000176722

KUZYAKOV, B. A.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979, V0006, N0001, PP 0114-0119
MEASURING THE POPULATION OF THE UPPER LASER LEVEL
OF THE CO₂ MOLECULE AND THE GAIN OF THE ACTIVE
MEDIUM IN A WAVEGUIDE DISCHARGE CHANNEL 8 PP
OUO
JPRS L/8381

000000159765

ABIL'SIITIV, G.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979, V0006, N0001, PP 0114-0209
OPTIMIZING A 10 KW CLOSED-CYCLE PROCESSING
LASER 7 PP
OUO
JPRS L/8381

000000157565

ABIL'SIITIV, G.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979, V0006, N0001, PP 0114-0209
OPTIMIZING A 10 KW CLOSED-CYCLE PROCESSING
LASER 7 PP
OUO
JPRS L/8381

000000157500

ARTAMONOV, I. I.
//KVANTOVAYA ELEKTRONIKA//

000000159768

00/01/1979,V0006,N0001, PP 0127-0133
DESIGN AND METHOD OF CALCULATING AN INDUCTIVE
ACCUMULATOR FOR LASER PUMPING 8 PP
JPRS L/8381 #

000000159767

BARANIV, V. YU.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0177-0183
GASDYNAMIC PERTURBATIONS OF THE FLOW IN
PULSE-PERIODIC CO2 LASERS. I. CONVECTIVE REMOVAL
OF HEATED GAS FROM THE DISCHARGE REGION 9 PP
DUO
JPRS L/8381 #

000000159767

BARANOV, V. YU.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0177-0183
GAS DYNAMIC PERTURBATIONS OF THE FLOW IN PULSE
PERIODIC C12 LASERS. I. CONVECTIVE REMOVAL OF
THE HEATED GAS FROM THE DISCHARGE REGION
JPRS 74007 #

000000176719

BARANOV, V. YU.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0184-0188
GASDYNAMIC PERTURBATIONS OF THE FLOW IN PULSE
PULSE-PERIODIC LASERS. II. ACOUSTIC WAVES 6 PP
DUO
JPRS L/8381 #

000000159769

BARANOV, V. YU.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0184-0188
GAS DYNAMIC PERTURBATIONS OF THE FLOW IN PULSE
PERIODIC CO2 LASERS. II. ACOUSTIC WAVES
JPRS 74007 #

000000176720

KOROTCHENKO, A. I.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0210-0217
CONCERNING THE BEHAVIOR OF METAL ABSORPTIVITY
WITH EXPOSURE TO LASER 10 PP
DUO
JPRS L/8381 #

000000157497

KOROTCHENKO, A. I.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0210-0217
CONCERNING THE BEHAVIOR OF METAL ABSORPTIVITY
WITH EXPOSURE TO LASER 10 PP
DUO
JPRS L/8381 #

000000157562

ORAYEVSKIY, A. N.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0218-0224
ON THE POSSIBILITY OF USING RESONANTLY EXCITED
MEDIA FOR WAVEFRONT REVERSAL 8 PP
DUO
JPRS L/8381 #

000000157563

ORAYEVSKIY, A. N.
//KVANTOVAYA ELEKTRONIKA//
00/01/1979,V0006,N0001, PP 0218-0224

000000157498

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ORAYEVSKIY, A. N. //KVANTOVAYA ELEKTRONIKA// 00/01/1979, V0006, N0001, PP 0218-0224 ON THE FEASIBILITY OF USING RESONANCE-EXCITED MEDIA FOR WAVE FRONT REVERSAL JPRS 74007	#	
VIRNIK, YA. Z. //KVANTOVAYA ELEKTRONIKA// 00/01/1979, V0006, N0001, PP 0236-0248 DIFFRACTION EFFECTS IN CW CHEMICAL HF LASER WITH UNSTABLE TELESCOPIC CAVITY 16 PP DUO JPRS L/8381	#	000000157501
VIRNIK, YA. Z. //KVANTOVAYA ELEKTRONIKA// 00/01/1979, V0006, N0001, PP 0236-0248 DIFFRACTION EFFECTS IN CW CHEMICAL HF LASER WITH UNSTABLE TELESCOPIC CAVITY 16 PP DUO JPRS L/8381	#	000000157566
CHEBATAREV, N. F. //KVANTOVAYA ELEKTRONIKA// 00/01/1979, V0006, N0001, PP 0321-0235 PARTICULARS OF DF(INTO) CO2 ENERGY TRANSFER IN CHEMICAL LASERS BASED ON CHLORINE FLUORIDES 7 PP DUO JPRS L/8381	#	000000157564
CHEBATAREV, N. F. //KVANTOVAYA ELEKTRONIKA// 00/01/1979, V0006, N0001, PP 0321-0235 PARTICULARS OF DF(INTO) CO2 ENERGY TRANSFER IN CHEMICAL LASERS BASED ON CHLORINE FLUORIDES 7 PP DUO JPRS L/8381	#	000000157499
BYCHKOV, YU. I. //KVANTOVAYA ELEKTRONIKA// 00/01/1979, V0006, N0010, PP 2103-2108 XECL AND XEF LASERS WITH COMBINED PUMPING 9 PP DUO JPRS L/8879	#	000000200661
BYCHKOV, YU. I. //KVANTOVAYA ELEKTRONIKA// 00/01/1979, V0006, N0010, PP 2103-2108 XECL AND XEF LASERS WITH COMBINED PUMPING 9 PP DUO JPRS L/8879	#	000000209814
GRIGOR'YANTS, V. V. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0288-0294 SATURATION IN WAVEGUIDE CO2 LASERS 15 PP DUO JPRS L/8461	#	000000164815

AVTONOMOV, V. P. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0251-0354 POSSIBLE STABILIZATION OF THE CO2 LASER FREQUENCY BY AN EXTERNAL STARK CELL WITH 1-1 DIFLOURETHANE (C2 H4 F 2) 5 PP OUO JPRS L/8461	000000164811
DONIN, V. I. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0259-0363 HIGH-POWER CW ION LASERS WITH LONGER SERVICE LIFE 7 PP OUO JPRS L/8461	000000164802
GORDIYETS, B. F. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0267-0273 HIGH-PRESSURE WIRE-TRIGGERED PULSED CO2 LASER 13 PP OUO JPRS L/8461	000000164813
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0267-0273 ALSO PP 281-303, 317-348, 351-354, 357-363, 370-377, 394-397, 400-402, 408-411, 417-421 SELECTIONS FROM THE JOURNAL "QUANTUM ELECTRONICS" 185 PP OUO JPRS L/8461	000000164824
AGROSKIN, V. YA. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0281-0287 ANALYSIS OF A CALCULATION MODEL OF THE PULSED CHEMICAL DF-CO2 LASER 14 PP OUO JPRS L/8461	000000164814
DROCHIK, G. M. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0295-0303 PARAMETRIC AMPLIFICATION BASED ON FOUR-WAVE PARAMETRIC PROCESSES IN A TWO-PHOTON RESONANCE 20 PP OUO JPRS L/8461	000000164816
VELKHOV, YE. P. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0317-0326 ISOTOPE SEPARATION BY MULTIPHOTON MOLECULAR DISSOCIATION IN THE HIGH-POWER CO2 FIELD. PROSPECTS OF PRACTICAL REALIZATION 23 PP OUO JPRS L/8461	000000164817
VOROB'YEV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/02/1979, V0006, N0002, PP 0327-0330	000000164808

ESTIMATION OF THE INTENSITY OF SOUND WHICH ARISES
UPON LASER LIGHT PROPAGATION IN THE ATMOSPHERE
AND ITS EFFECTS ON THERMAL BLOOMING OF THE
BEAMS 6 PP

DUO
JPRS L/8461

000000164818

GNATOVSKIY, A. V.
//KVANTOVAYA ELEKTRONIKA//
00/02/1979, V0006, N0002, PP 0331-0336
FORMATION OF LASER BEAMS WITH IMPROVED
SPACE-ANGULAR CHARACTERISTICS 11 PP

DUO
JPRS L/8461

000000164809

KASK, N. YE.
//KVANTOVAYA ELEKTRONIKA//
00/02/1979, V0006, N0002, PP 0337-0346
TEMPERATURE DEPENDENCE OF THE OPTICAL GLASS
ABSORPTION COEFFICIENT ON EXPOSURE TO THE LASER
RADIATION 15 PP

DUO
JPRS L/8461

000000164809

MEYSNER, L. B.
//KVANTOVAYA ELEKTRONIKA//
00/02/1979, V0006, N0002, PP 0345-0348
THIRD ORDER NONLINEAR SUSCEPTIBILITY OF IONIC
CRYSTALS NEAR RAMAN AND TWO-PHOTON RESONANCES
9 PP

DUO
JPRS L/8461

000000164810

ANDREYEVA, N. P.
//KVANTOVAYA ELEKTRONIKA//
00/02/1979, V0006, N0002, PP 0357-0359
PARAMETRIC CONVERSION OF THE MEDIUM INFRARED
REGION RADIATION IN ZINK-GERMANIUM DIPHOSPHIDE
5 PP

DUO
JPRS L/8461

000000164812

DORMER, S. B.
//KVANTOVAYA ELEKTRONIKA//
00/02/1979, V0006, N0002, PP 0372-0375
DIVERGENCE FROM A RAMAN LASER WITH A SLOWLY
RELAXING ACTIVE MEDIUM 7 PP

DUO
JPRS L/8461

000000164803

BASOV, N. G.
//KVANTOVAYA ELEKTRONIKA//
00/02/1979, V0006, N0002, PP 0394-0397
SMALL-SIGNAL WAVEFRONT REVERSAL UNDER NONTHRESHOLD
REFLECTION FROM A BRILLOUIN MIRROR 7 PP

DUO
JPRS L/8461

000000164804

ZAPOL'SKIY, A. F.
//KVANTOVAYA ELEKTRONIKA//
00/02/1979, V0006, N0002, PP 0408-0411
AN ELECTRIC DISCHARGE LASER UTILIZING SF₆ + H₂
MIXTURE PUMPED BY AN INDUCTIVE STORAGE 7 PP

DUO

000000164806

JPRS L/8461	#	
KUDRYASHOV, V. P. //KVANTOVAYA ELEKTRONIKA// 00/02/1979,V0006,N0002, PP 0417-0421 RADIATION PULSE LENGTHENING IN A SECTIONALIZED CO2 LASER WITH SUCCESSIVE EXCITATION OF WORKING MEDIUM BY PP DUO		000000164807
JPRS L/8461	#	
KARPENKO, S. G. //KVANTOVAYA ELEKTRONIKA// 00/03/1979,V0006,N0003, PP 0437-0445 NONSTEADY INTRACAVITY GENERATION OF THE OPTICAL SECOND HARMONIC IN LASERS WITH ACTIVELY NONLINEAR MEDIA JPRS 74007		000000176707
KIRILOV, A. YE. //KVANTOVAYA ELEKTRONIKA// 00/03/1979,V0006,N0003, PP 0473-0477 A PULSED PB-LASER AT THE 722.9 NM WAVELENGTH WITH TWO GAS-DISCHARGE TUBES JPRS 74007		000000176706
ANDRONOVA, I. A. //KVANTOVAYA ELEKTRONIKA// 00/03/1979,V0006,N0003, PP 0518-0526 NONLINEAR NONRECIPROCAL EFFECTS IN A RING LASER IN A LONGITUDINAL MAGNETIC FIELD JPRS 74007		000000176705
ITOSHIN, V. I. //KVANTOVAYA ELEKTRONIKA// 00/03/1979,V0006,N0003, PP 0528-0538 NUMERICAL ANALYSIS OF A CHEMICAL HF+HC1 LASER BASED ON THE CHAIN REACTION BETWEEN C1F AND H2 JPRS 74007		000000176704
ARNAUTOV, G. P. //KVANTOVAYA ELEKTRONIKA// 00/03/1979,V0006,N0003, PP 0550-0567 MEASUREMENT OF THE ABSOLUTE ACCELERATION DUE TO GRAVITY WITH A BALLISTIC LASER GRAVIMETER JPRS 74007		000000176702
ALIMPIEV, S. S. //KVANTOVAYA ELEKTRONIKA// 00/03/1979,V0006,N0003, PP 0553-0559 SPECTROSCOPIC ANALYSIS OF A LASER ON A CF4 MOLECULE WITH OPTICAL PUMPING JPRS 74007		000000176703
SUCHKOV, A. F. //KVANTOVAYA ELEKTRONIKA// 00/03/1979,V0006,N0003, PP 0569-0574 EFFECT OF NITRIC OXIDE ADMIXTURES ON ENERGY AND SPECTRAL CHARACTERISTICS OF AN ELECTRON BEAM CONTROLLED CO-LASER JPRS 74007		000000176701
KLIMKIN, V. M. //KVANTOVAYA ELEKTRONIKA//		000000176700

00/03/1979,V0006,N0003, PP 0599-0602
MEASUREMENT OF THE PUMPING RATE AND OF THE
ELECTRON CONCENTRATION IN PULSED HE-EU AND
HE-SR LASERS
JPRS 74007 #

NASIBOV, A. S.
//KVANTOVAYA ELEKTRONIKA//
00/03/1979,V0006,N0003, PP 0603-0604
A SCANNING SEMICONDUCTOR LASER WITH TRANSVERSE
PUMPING BY AN ELECTRON BEAM
JPRS 74007 #

000000176699

APPOLLONOV, V. V.
//KVANTOVAYA ELEKTRONIKA//
00/03/1979,V0006,N0003, PP 0615-0618
A DIRECTIONAL COUPLER FOR LASER BEAMS USING A
DIFFRACTATIONAL PHASE GRATING
JPRS 74007 #

000000176698

VINOGRADOVA, A. A.
//KVANTOVAYA ELEKTRONIKA//
00/03/1979,V0006,N0003, PP 0625-0629
TRANSIENT STRUCTURE OF EMISSION FROM AN ARGON
LASER DURING PASSIVE MODE LOCKING
JPRS 74007 #

000000176697

SAVEL'YEV, I. I.
//KVANTOVAYA ELEKTRONIKA//
00/03/1979,V0006,N0003, PP 0632-0635
THEORY OF A TRAVELING-WAVE ZEEMAN GAS LASER WITH
HIGH RADIATION INTENSITY
JPRS 74007 #

000000176696

VASIL'YEV, B. I.
//KVANTOVAYA ELEKTRONIKA//
00/03/1979,V0006,N0003, PP 0648-0651
AN OPTICAL-WAVEGUIDE AMMONIA LASER WITH A RASTER
PUMPING SYSTEM
JPRS 74007 #

000000176695

UNKNOWN
//KVANTOVAYA ELEKTRONIKA//
00/04/1979,V0006,N0004, PP 0747-0758
ALSO PP 765-781, 851-852, 864-867
QUANTUM ELECTRONICS 42 PP
000
JPRS L/8569 #

000000171505

STEPANOV, A. A.
//KVANTOVAYA ELEKTRONIKA//
00/04/1979,V0006,N0004, PP 0747-0758
INFLUENCE THAT MIXING EFFECTS HAVE ON THE ENERGY
CHARACTERISTICS OF A SELF-CONTAINED CW CHEMICAL
HF LASER 14 PP
000
JPRS L/8569 #

000000171506

BASOV, N. G.
//KVANTOVAYA ELEKTRONIKA//
00/04/1979,V0006,N0004, PP 0765-0771
INFLUENCE THAT SOME EMISSION PARAMETERS HAVE ON
PUMPING WAVEFRONT REVERSAL IN A "BRILLOUIN"
MIRROR 8 PP

000000171507

OUO JPRS L/8569 #	000000171508
BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/04/1979, V0006, N0004, PP 0772-0781 A CLOSED-CYCLE CW ELECTRON-BEAM-CONTROLLED CO2 LASER 12 PP OUO JPRS L/8569 #	000000171509
ARSEN'YEV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/04/1979, V0006, N0004, PP 0851-0852 STIMULATED EMISSION OF MICROSECOND PULSES IN A RING LASER 8 PP OUO JPRS L/8569 #	000000171509
MNATSAKANYAN, YE. YA. //KVANTOVAYA ELEKTRONIKA// 00/06/1979, V0006, N0006, PP 1125-1147 DIGITAL DATA PROCESSING WITH OPTOELECTRONIC DEVICES 29 PP OUO JPRS L/8683 #	000000183815
KOVAL'CHUK, L. V. //KVANTOVAYA ELEKTRONIKA// 00/06/1979, V0006, N0006, PP 1164-1170 PROPERTIES OF A LASER WITH AN UNSTABLE RESONATOR CONTAINING SMALL-SCALE PHASE INHOMOGENEITIES 9 PP OUO JPRS L/8683 #	000000183816
KLEPACH, G. M. //KVANTOVAYA ELEKTRONIKA// 00/06/1979, V0006, N0006, PP 1171-1175 EXPERIMENTAL AND THEORETICAL STUDIES OF A CLOSED CIRCUIT GAS-DYNAMIC CO2 LASER 7 PP OUO JPRS L/8683 #	000000183817
BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/06/1979, V0006, N0006, PP 1208-1214 STUDY OF COOLED ELECTROIONIZATION CO LASER. I. LASER ACTION WITH PURE CARBON MONOXIDE 9 PP OUO JPRS L/8683 #	000000183818
BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/06/1979, V0006, N0006, PP 1215-1222 STUDY OF A COOLED ELECTROIONIZATION CO LASER II. LASER ACTION EMPLOYING MIXTURES OF CO AND BUFFER GASES 11 PP OUO JPRS L/8683 #	000000183819
BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/06/1979, V0006, N0006, PP 1329-1331 RAMAN HYDROGEN LASER FOR EFFICIENT COHERENT	000000183942

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AKHMANOV, S. YA. //KVANTOVAYA ELEKTRONIKA// 00/06/1979, V0006, N0006, PP 1352 50TH BIRTHDAY OF FEDOR VASIL'YEVICH BUNKIN 1 PP OOO JPRS L/8683	#	000000183943
ARTAMONOV, YA. V. //KVANTOVAYA ELEKTRONIKA// 00/07/1979, V0006, N0007, PP 1442-1445 INVESTIGATING THE ACTIVE MEDIUM OF A FAST-FLOW CO2 LASER WITH NON-SELF-SUSTAINED DISCHARGE 6 PP OOO JPRS L/8768	#	000000191633
KOCHETOV, I. V. //KVANTOVAYA ELEKTRONIKA// 00/07/1979, V0006, N0007, PP 1446-1451 THE MECHANISM OF DIRECT HEATING OF CO2-N2-HE LASER MIXTURE IN A NON-SELF-SUSTAINED DISCHARGE 9 PP OOO JPRS L/8768	#	000000191614
STEPANOV, YA. YA. //KVANTOVAYA ELEKTRONIKA// 00/07/1979, V0006, N0007, PP 1476-1483 THE CHAIN MECHANISM OF EXCITING A CONTINUOUS CHEMICAL HF LASER WITH CYLINDRICAL NOZZLE 12 PP OOO JPRS L/8768	#	000000191615
ARTAMONOV, V. YA. //KVANTOVAYA ELEKTRONIKA// 00/07/1979, V0006, N0007, PP 1554-1556 THE DYNAMIC CHARACTERISTICS OF A FAST-FLOW ELECTRIC DISCHARGE CO2 LASER 4 PP OOO JPRS L/8768	#	000000191632
IZMAYLOV, I. A. //KVANTOVAYA ELEKTRONIKA// 00/08/1979, V0006, N0008, PP 1626-1638 THEORY OF AN ELECTRON PHOTOTRANSITION CHEMICAL LASER WITH THERMAL INITIATION BEHIND THE SHOCK WAVE FRONT 19 PP OOO JPRS L/8801	#	000000193925
DUTOV, A. I. //KVANTOVAYA ELEKTRONIKA// 00/08/1979, V0006, N0008, PP 1690-1697 OPTIMIZATION OF ELECTRON BEAM PARAMETERS AND CHOICE OF FOIL IN ELECTRON BEAM CONTROLLED LASERS 11 PP OOO JPRS L/8801	#	000000193926
KURZENKOV, V. N. //KVANTOVAYA ELEKTRONIKA// 00/08/1979, V0006, N0008, PP 1705-1711		000000193927

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ANAN'YEV, YU. A. //KVANTOVAYA ELEKTRONIKA// 00/08/1979, V0006, N0008, PP 1773-1775 INVESTIGATION OF PROPERTIES OF A LASER WITH AN UNSTABLE CAVITY AND ADDED FEEDBACK 4 PP DUO JPRS L/8801	#	000000193929
GORYACHEV, S. B. //KVANTOVAYA ELEKTRONIKA// 00/08/1979, V0006, N0008, PP 1775-1777 SOME RESULTS OF EXPERIMENTS ON A GAS DYNAMICAL CO2 LASER 4 PP DUO JPRS L/8801	#	000000193929
LIKAL'TER, A. A. //KVANTOVAYA ELEKTRONIKA// 00/08/1979, V0006, N0008, PP 1816-1818 EFFICIENCY OF A SELECTIVE CO LASER 6 PP DUO JPRS L/8801	#	000000193930
ALDOSHIN, M. I. //KVANTOVAYA ELEKTRONIKA// 00/09/1979, V0006, N0009, PP 1866-1870 DECISIVE ROLE OF VISCOELASTIC PROPERTIES OF POLYMERS IN THE MECHANISM OF THEIR LASER DESTRUCTION 7 PP DUO JPRS L/8801	#	000000193931
ABAKUMOV, B. V. //KVANTOVAYA ELEKTRONIKA// 00/09/1979, V0006, N0009, PP 1903-1910 GAS DYNAMICAL LASER WITH THERMALLY NONEQUILIBRIUM ELECTRIC ARC HEATING OF THE WORKING MEDIUM 11 PP DUO JPRS L/8800	#	000000193932
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//KVANTOVAYA ELEKTRONIKA// 00/09/1979,V0006,N0009, PP 1966-1970 ANALYTICAL THEORY OF PULSED LASING OF A CO LASER WITH LINE SELECTION 8 PP DUO JPRS L/8800 #	000000193936
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BORISOV, V. M. //KVANTOVAYA ELEKTRONIKA// 00/00/1980,V0007,N0002, PP 0593-0598 A STUDY OF THE CHARACTERISTICS OF PHOTOIONIZATION EXCIMER LASERS 8 PP DUO JPRS L/9142 #	000000222455
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GLOTOV, YE. P. //KVANTOVAYA ELEKTRONIKA// 00/00/1980,V0007,N0003, PP 0630-0633 THE CHANGE IN THE ENERGY CHARACTERISTICS OF AN ELECTROIONIZATION DISCHARGE IN MIXTURES OF CO2 -N2 -HE AND COMMERCIAL GRADE NITROGEN DURING PULSE PERIODIC OPERATION 7 PP	000000222423

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GULYAYEV, YU. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1980, V0007, N0008, PP 1705-1712 A METHOD FOR MEASURING DISPERSION IN MULTIMODE OPTICAL FIBERS DUO COPYRIGHT INFO IT IS NOT IN THE PUBLIC DOMAIN NAV/NISC/TRAN-6568-81	#	
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PECHENIN, YU. V. //KVANTOVAYA ELEKTRONIKA// 00/00/1980, V0007, N0008, PP 1803-1807 LASERS UTILIZING CO2 ISOTOPES 8 PP DUO JPRS L/9453	#	000000246157
BASHKIN, A. S. //KVANTOVAYA ELEKTRONIKA// 00/00/1980, V0007, N0008, PP 1821-1823 STUDY OF A LARGE-VOLUME FLASHLAMP-INITIATED H2F2 CHEMICAL LASER 5 PP DUO JPRS L/9453	#	000000246158
GOLUB, A. P. //KVANTOVAYA ELEKTRONIKA// 00/00/1980, V0007, N0008, PP 1831-1834 TIME FOR THE ORIGIN OF PLASMA WITH THE EFFECT OF LASER RADIATION OF VARIOUS WAVELENGTHS ON AN ALUMINUM OBSTACLE IN THE AIR 7 PP DUO JPRS L/9453	#	000000246150
ARTYUSHENKO, V. G. //KVANTOVAYA ELEKTRONIKA// 00/00/1980, V0007, N0009, PP 2037-2039 THALLIUM KALIDE CRYSTALS WITH LOW OPTICAL LOSSES FSTC-HT-0413-81	#	000000289501
ZAVGORODNEVA, S. I. //KVANTOVAYA ELEKTRONIKA// 00/01/1980, V0007, N0001, PP 0142-0146 ON CONVERTING THE RADIATION OF A LASER HAVING AN UNSTABLE RESONATOR WITH THE HELP OF CONICAL OPTICS 7 PP DUO JPRS L/9033	#	000000214549
ANDREYEV, S. V. //KVANTOVAYA ELEKTRONIKA// 00/01/1980, V0007, N0001, PP 0147-0154 CONTINUOUS-WAVE LASER RADIATION POWER STABILIZERS WITH AN EXTERNAL CONTROL ELEMENT 12 PP DUO		000000214550

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VOROB'YEV, A. YA. //KVANTOVAYA ELEKTRONIKA// 00/01/1980,V0007,N0001, PP 0183-0186 LASER RADIATION ABSORPTION IN A CRATER IN A METALLIC TARGET 6 PP OUO		000000214551
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APOLLONOV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/01/1980,V0007,N0001, PP 0214-0216 ABSORPTION COEFFICIENTS OF MIRROR SURFACES OF INTERMETALLIC COMPOUNDS AT WAVE LENGTH A = 10.6 UM 6 PP OUO		000000214552
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LIKHANSKIY, V. V. //KVANTOVAYA ELEKTRONIKA// 00/02/1980,V0007,N0002, PP 0237-0243 CONCERNING SELF-OSCILLATORY INSTABILITY IN FAST-FLOW LASERS WITH UNSTABLE RESONATORS 9 PP OUO		000000222451
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BAKEYEV, A. A. //KVANTOVAYA ELEKTRONIKA// 00/02/1980,V0007,N0002, PP 0349-0354 EXPERIMENTAL STUDY OF THE WAY THAT RHODAMINE-6G LASER EMISSION ACTS ON ALUMINUM 8 PP OUO		000000222452
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ABAKUMOV, G. A. //KVANTOVAYA ELEKTRONIKA// 00/02/1980,V0007,N0002, PP 0383-0390 PARTICULARS OF STIMULATING EMISSION IN VAPORS OF COMPLEX ORGANIC COMPOUNDS 10 PP OUO		000000222453
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ANTYUKHOV, V. V. //KVANTOVAYA ELEKTRONIKA// 00/02/1980,V0007,N0002, PP 0425-0429 A MULTIBEAM WAVEGUIDE CO2 LASER WITH AC DISCHARGE EXCITATION 7 PP OUO		000000222454
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LAKOBA, I. S. //KVANTOVAYA ELEKTRONIKA// 00/04/1980,V0007,N----, PP 0677-0719 NO. 4194) ACTIVE MEDIA OF EXCIPLEX LASERS (SURVEY) 61 PP OUO		000000235150
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LAKOBA, I. S. //KVANTOVAYA ELEKTRONIKA// 00/04/1980,V0007,N----, PP 0677-0719 NO. 4194) ACTIVE MEDIA OF EXCIPLEX LASERS (SURVEY) 61 PP		000000251633

OUO JPRS L/9264 VELIKANOV, A. G. //KVANTOVAYA ELEKTRONIKA// 00/04/1980, V0007, N----, PP 0764-0769 NO. 4(94) A CLOSED-CYCLE GASDYNAMIC CO2 LASER WITH GAS SEPARATOR 7 PP OUO JPRS L/9264 VELIKANOV, A. G. //KVANTOVAYA ELEKTRONIKA// 00/04/1980, V0007, N----, PP 0764-0769 NO. 4(94) A CLOSED-CYCLE GASDYNAMIC CO2 LASER WITH GAS SEPARATOR 7 PP OUO JPRS L/9264 DERUGIN, I. A. //KVANTOVAYA ELEKTRONIKA// 00/04/1980, V0007, N----, PP 0764-0769 NO. 4(94) SPATIAL COHERENCE OF EMISSION OF A LASER WITH A RESONATOR THAT IS FILLED WITH A RANDOMLY INHOMOGENEOUS MEDIUM 4 PP OUO JPRS L/9264 DERUGIN, A. //KVANTOVAYA ELEKTRONIKA// 00/04/1980, V0007, N----, 0764-0769 NO. 4(94) SPATIAL COHERENCE OF EMISSION OF A LASER WITH A RESONATOR THAT IS FILLED WITH A RANDOMLY INHOMOGENEOUS MEDIUM 4 PP OUO JPRS L/9264 BATENIN, V. M. //KVANTOVAYA ELEKTRONIKA// 00/05/1980, V0007, N0005, PP 0988-0992 THE PLASMA PARAMETERS IN DISCHARGE AFTERGLOW IN A COPPER VAPOR LASER 8 PP OUO JPRS L/9308 IVANOV, V. S. //KVANTOVAYA ELEKTRONIKA// 00/05/1980, V0007, N0005, PP 0993-1005 THE SPECTRAL DEPENDENCE OF THE ABSOLUTE QUANTUM YIELDS OF THE FORMATION OF I(2P1/2) AND I(2P3/2) ATOMS FOR THE CASE OF THE PHOTOLYSIS OF ORGANIC IODIDES: 2. CF31, C2F51, C3F71, CF3CF1CF3 AND CF3OCF2CF21 20 PP OUO JPRS L/9308 BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/05/1980, V0007, N0005, PP 1067-1073 THE CHARACTERISTICS OF A CW ELECTRICAL IONIZATION	000000235151 000000251634 000000251635 000000235152 000000236791 000000236792 000000236793
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C02 LASER WITH A COOLED WORKING MIXTURE 10 PP 000 JPRS L/9308	#	000000236794
AVANEXOV, A. G. //KVANTOVAYA ELEKTRONIKA// 00/05/1980,V0007,N0005, PP 1120-1122 A HIGH EFFICIENCY PULSE PERIODIC LASER USING CONCENTRATED NEODYMIUM PHOSPHATE GLASS 5 PP 000 JPRS L/9308	#	
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/06/1980,V0007,N----, PP 1180-1185 NUMBER. 6(96) ALSO PAGES 1287-1293, 1304-1318, 1342-1348 QUANTUM ELECTRONICS (SELECTED ARTICLES) 92 PP 000 COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-ID(RS)T-1470-80	#	000000298657
VEDENOV, A. A. //KVANTOVAYA ELEKTRONIKA// 00/06/1980,V0007,N0006, PP 1186-1190 CHARACTERISTICS OF THE LASER RADIATION OF A PULSED C02 LASER WITH A CLOSED GAS CYCLE 8 PP 000 JPRS L/9409	#	000000242940
ALEKSEYEV, V. YE. //KVANTOVAYA ELEKTRONIKA// 00/06/1980,V0007,N0006, PP 1199-1202 THE INFLUENCE OF THE ACTIVE MEDIUM CHARACTERISTICS ON THE OUTPUT POWER OF AN ELECTRICAL IONIZATION C02 LASER 7 PP 000 JPRS L/9409	#	000000242941
BAKEYEV, A. A. //KVANTOVAYA ELEKTRONIKA// 00/06/1980,V0007,N0006, PP 1236-1240 THE PROPAGATION OF LASER ABSORPTION WAVES WITH EXPOSURE TO RADIATION AT A WAVELENGTH OF 10.6 MICROMETERS 10 PP 000 JPRS L/9409	#	000000242950
BASHKIN, A. S. //KVANTOVAYA ELEKTRONIKA// 00/06/1980,V0007,N0006, PP 1357-1359 THE POWER PARAMETERS OF ELECTRON BEAM INITIATED H2-F2D2F2 AND D2-F2-C02 LASERS 6 PP 000 JPRS L/9409	#	000000242942
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/07/1980,V0007,N----, PP 1422-1429 NUMBER 7(97) ALSO PAGES 1476-1481, 1492-1498, 1531-1536, 1598-1600, 1603-1605 QUANTUM ELECTRONICS (SELECTED ARTICLES) 000 COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-ID(RS)T-1764-80	#	000000278210

ASHURLY, Z. I. //KVANTOVAYA ELEKTRONIKA// 00/07/1980, V0007, N0007, PP 1456-1460 AN ELECTRIC-DISCHARGE PULSED CO2 RESEARCH LASER 5 PP DUO JPRS L/9453	#	000000246166
ZUYEV, V. S. //KVANTOVAYA ELEKTRONIKA// 00/07/1980, V0007, N0007, PP 1482-1491 LIMITING CHARACTERISTICS OF A PHOTOCHEMICAL XEO LASER 12 PP DUO JPRS L/9453	#	000000246167
ALEKHIN, B. V. //KVANTOVAYA ELEKTRONIKA// 00/07/1980, V0007, N0007, PP 1516-1522 DEVELOPMENT OF OPTICAL INHOMOGENEITIES IN FLASHTUBE PHOTOLYSIS LASERS 8 PP DUO JPRS L/9453	#	000000246156
BUNKIN, F. V. //KVANTOVAYA ELEKTRONIKA// 00/07/1980, V0007, N0007, PP 1548-1556 INTERFERENCE PHENOMENA WHEN METALS ARE HEATED BY LASER IN AN OXIDATIVE ATMOSPHERE 10 PP DUO JPRS L/9453	#	000000246161
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/08/1980, V0007, N----, PP 1743-1747 ALSO PAGES 1796-1802, NUMBER 8(98) QUANTUM ELECTRONICS (SELECTED ARTICLES) 17 PP DUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-ID(RS)T-1752-80	#	000000278215
BASHKIN, A. S. //KVANTOVAYA ELEKTRONIKA// 00/08/1980, V0007, N----, PP 1821-1823 NUMBER 8(98) INVESTIGATION OF A LARGE-VOLUME H2-F2-LASER WITH INITIATION BY FLASH LAMPS 6 PP DUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-ID(RS)T-1916-80	#	000000278170
UNKNOWN //KVANTOVAYA ELEKTRONIKA// 00/09/1980, V0007, N----, PP 1869-1875 NUMBER 9(99), ALSO PAGES 1926-1931, 1955-1958, 1998-2001, 2009-2011 QUANTUM ELECTRONICS (SELECTED ARTICLES) 60 PP DUO COPYRIGHT INFO REFER OTHERS TO FTD/STINFO AIR/FTD-ID(RS)T-1887-80	#	000000296681
ARTEM'YEV, A. YU. //KVANTOVAYA ELEKTRONIKA// 00/09/1980, V0007, N----, PP 1948-1954 NO 9 (99) ENERGY CHARACTERISTICS OF A COPPER VAPOR LASER WITH TRANSVERSE DISCHARGE 8 PP	#	000000255846

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NUMERICAL STUDY OF THE INTERACTION OF LASER
RADIATION WITH A TARGET IN A VACUUM CONSIDERING
THE SPECTRAL COMPOSITION OF THE RADIATION EMITTED
BY THE RESULTANT PLASMA 7 PP
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JPRS L/9745 #

000000262595

BELKOV, P. V.
//KVANTOVAYA ELEKTRONIKA//
00/11/1980, V0007, N0011, PP 2385-2392
CO2 GAS DYNAMIC LASER UTILIZING CO-CONTAINING
MIXTURES 10 PP
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JPRS L/9745 #

BUNKIN, S. B.
//KVANTOVAYA ELEKTRONIKA//
00/11/1980, V0007, N0011, PP 2422-2426
CHARACTERISTICS OF UNSTABLE RESONATORS WITH FIELD
DISTORTIONS IN THEIR ELEMENTS. 2. SPRICAL
MIRRORS 7 PP
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JPRS L/9745 #

000000262587

ABIL'SIITOV, F. A.
//KVANTOVAYA ELEKTRONIKA//
00/11/1980, V0007, N0011, PP 2467-2471
TEN-KW STATIONARY PROCESS CO2-LASER 6 PP
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JPRS L/9745 #

000000262588

KIBOVSKIY, V. T.
//KVANTOVAYA ELEKTRONIKA//
00/12/1980, V0007, N0012, PP 2523-2530
ESTIMATING THE DEGREE OF HAZARD TO HUMAN
EYES FROM DIRECTIONAL LASER BEAMS 10 PP
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000000259165

IZMAYLOV, I. A.
//KVANTOVAYA ELEKTRONIKA//
00/12/1980, V0007, N0012, PP 2543-2551
LIGHT AMPLIFICATION IN HALOGEN ATOM
RECOMBINATION REACTIONS 12 PP
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JPRS L/9656 #

000000259166

BARANOV, V. YU.
//KVANTOVAYA ELEKTRONIKA//
00/12/1980, V0007, N0012, PP 2589-2593
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CHARACTERISTICS OF REPETITIVELY PULSED ULTRAVIOLET
PREIONIZATION LASERS 6 PP
DUO
JPRS L/9656 #

000000259167

BONDARENKO, A. V.
//KVANTOVAYA ELEKTRONIKA//
00/12/1980, V0007, N0012, PP 2594-2598
STUDY OF THE QUASI-STADY INTERACTION OF CO2-LASER
RADIATION WITH A GRAPHITE TARGET IN THE AIR 7 PP
DUO
JPRS L/9656 #

000000259168

ZUYEV, V. S. //KVANTOVAYA ELEKTRONIKA// 00/12/1980,V0007,N0012, PP 2604-2613 EXPERIMENTAL STUDY OF INTERNAL LOSSES IN IODINE LASERS PUMPED BY OPEN HIGH-CURRENT DISCHARGE ULTRAVIOLET RADIATION 13 PP OUO JPRS L/9656	#	000000259169
BASOV, N. G. //KVANTOVAYA ELEKTRONIKA// 00/12/1980,V0007,N0012, PP 2614-2620 STIMULATED LIGHT SCATTERING IN A THERMODYNAMICALLY NONEQUILIBRIUM MEDIUM WITH EXCITATION OF COLLECTIVE MOTIONS AS A RESULT OF LIGHT-INITIATED CHEMICAL REACTION 9 PP OUO JPRS L/9656	#	000000259170
YEVTYUKHIN, N. V. //KVANTOVAYA ELEKTRONIKA// 00/12/1980,V0007,N0012, PP 2635-2637 CO2 GAS DYNAMIC LASER USING THE COMBUSTION PRODUCTS OF C2H2-CO-N2O-N2 MIXTURES 4 PP OUO JPRS L/9656	#	000000259171
ALEKSANDROV, V. M. //KVANTOVAYA ELEKTRONIKA// 00/00/1981,V0008,N0001, PP 0191-0193 MULTICHANNEL SEMICONDUCTOR NANOSECOND SWITCH FOR EXCITATION OF COPPER VAPORS BY A TRANSVERSE DISCHARGE ARM/FSTC HT-0652-B1	#	000000264805
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BAKUT, P. A. //KVANTOVAYA ELEKTRONIKA// 00/02/1981,V0008,N----, PP 0341-0346 NUMBER 2(104) METHODS OF EVALUATING THE CAPABILITIES OF OPTIMUM RECEPTION IN DETECTING ASTROPHYSICAL OBJECTS THROUGH A TURBULENT ATMOSPHERE 7 PP OUO JPRS L/9805	#	000000264985
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COPPER HALIDE LASER WITH PUMPING BY VACUUM TUBE
AND THYRATRON OSCILLATORS 4 PP
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PULSE IN A TURBULENT MEDIUM BY A METHOD OF
STATISTICAL TESTS 6 PP
OUO
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BURETOV, I. A.
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WAVE IN A NEODYMIUM LASER BEAM 10 PP
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JPRS L/9856 #

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CW EMISSION OF AN IODINE PHOTODISSOCIATION LASER
8 PP
OUO
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OUO
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BADIKOV, V. Y.

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GEORGE, JUBE //L'AERONAUTIQUE ET L'ASTRONAUTIQUE// 00/00/1970, V----, N0022, PP 0063-0069 BORON OR CARBON? PROBLEMS AND PROSPECT OF HIGH STRENGTH REINFORCED PLASTICS *FSTC-HT-23-0714-75	#	000000011336
MOUILLE, RENEE //L'AERONAUTIQUE ET L'ASTRONAUTIQUE// 00/00/0000, V----, N0053, PP 0003-0010 1974-1975 NEW CONCEPTS FOR HELICOPTER ROTOR BLADE MATERIALS *FSTC AST-13401-007-75	#	000000048316
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MAZZOLANI, F. M. //L'AEROTECNICA MISSILI E SPAZIO// 00/08/1974,V0004,N----, PP 0261-0276 STABILITY OF PLATES IN COMPOSITE MATERIALS *FSTC AST-1840I-031-76	#	000000025166
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UNKNOWN //L'AURORE// 00/00/1973,V----,N----, 1. THE USSE HAS PUT ALL ITS WIEGHT INTO THE WAR 2. THE SCARCITY OF OIL: EUROPE WILL PAY DEARLY FOR ITS LACK OF FORESIGHT CSO: 8019/0911 COMPLETED SPECIAL	#	000000034308

UNKNOWN //L'AURORE// 23/04/1973,V----,N----, THIS AMBASSADOR WHO COMES TO US FROM THE GOLD CSO: 8019/2343 COMPLETED SPECIAL	#	000000034306
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BERNERT, PH. //L'AURORE// 21/11/1973,V----,N----, SAKHAROV TELLS US: THEY WANT TO BREAK ME THROUGH MY WIFE CSO: 8019/1092 COMPLETED SPECIAL	#	000000034309
DARCOURT, PIERRE //L'AURORE// 00/00/1974,V----,N----, 6-8 AUGUST 1974 THE NORTH VIETNAM OF THE STONE AGE PEOPLE 9 PP CSO: 18019/0367 COMPLETED SPECIAL	#	000000034310
ZAKHAROV, V. F. //L'DY ARKTIKI I SOVREMENNYYE PRIRODNYYE PROTESSY // 00/00/1981,V----,N----, ARCTIC ICE AND ITS CONTEMPORARY NATURAL ENVIRONMENT NSF/DPP 82-001-001	#	0000000303716
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